

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P366137

Luminaire Tested: **FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366137
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX20D010-FEU6B12-8050-F6LBXVM1-WMH-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 2000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1432.1 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

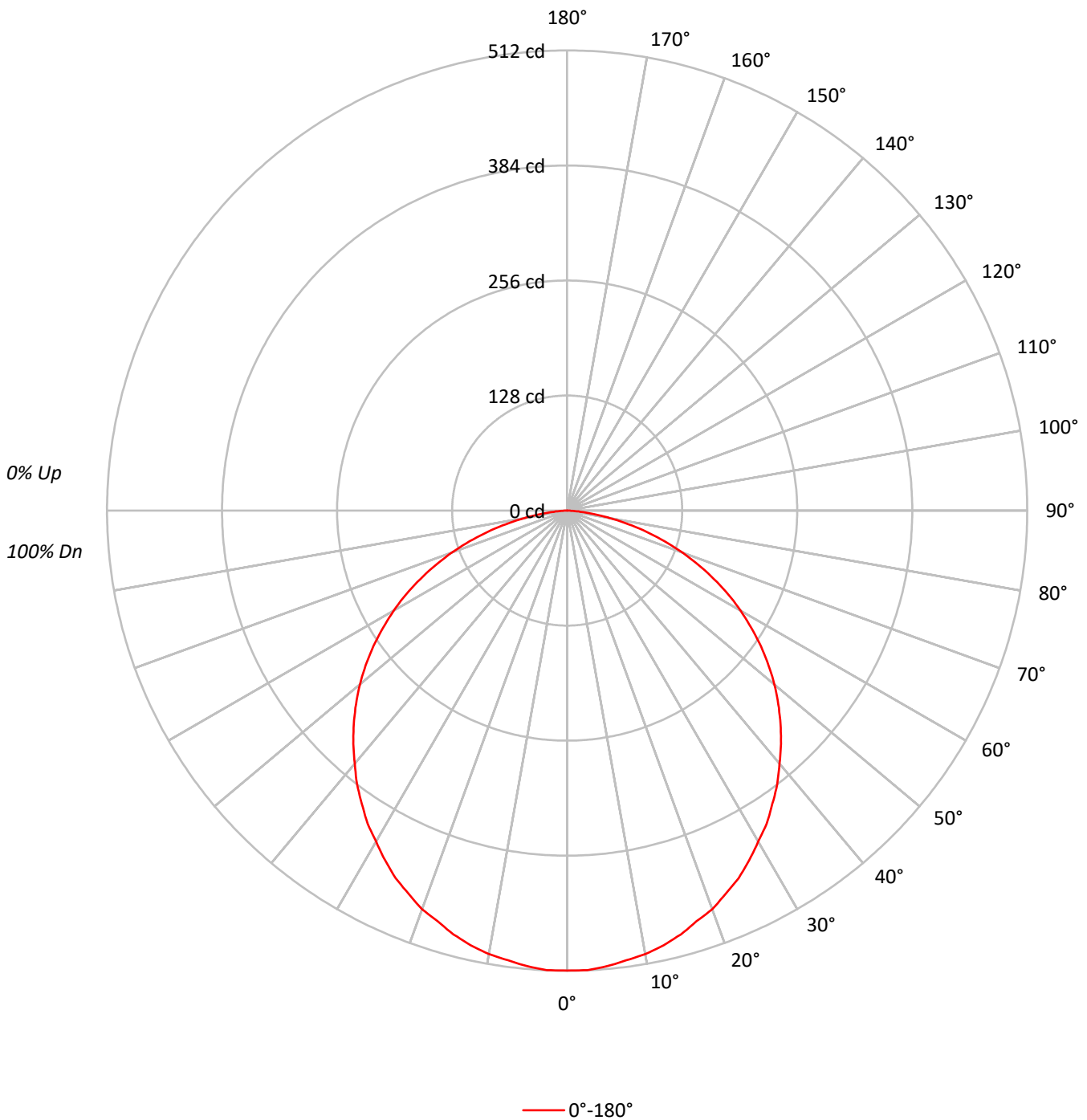
Input Watts (W): 20.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76		82	78	74		79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47		58	51	46		56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36		48	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29		40	34	29		39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	13980
5°	13954
10°	13899
15°	13809
20°	13720
25°	13605
30°	13411
35°	13278
40°	13111
45°	12968
50°	12791
55°	12539
60°	12177
65°	11653
70°	10886
75°	9667
80°	7708
85°	4670



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.3	3.4
10°-20°	137.7	9.6
20°-30°	207.7	14.5
30°-40°	249.3	17.4
40°-50°	258.9	18.1
50°-60°	235.0	16.4
60°-70°	178.2	12.4
70°-80°	96.8	6.8
80°-90°	20.2	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	393.7	27.5
0°-40°	643.0	44.9
0°-60°	1136.8	79.4
0°-90°	1432.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1432.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	512	
5°	509	48
15°	488	138
25°	451	208
35°	398	249
45°	336	259
55°	263	235
65°	180	178
75°	92	97
85°	15	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	511.8
2.5°	511.8
5°	508.9
7.5°	504.7
10°	501.1
12.5°	495.4
15°	488.3
17.5°	479.1
20°	472.0
22.5°	461.4
25°	451.4
27.5°	438.7
30°	425.2
32.5°	413.1
35°	398.2
37.5°	384.0
40°	367.7
42.5°	352.1
45°	335.7
47.5°	318.7
50°	301.0
52.5°	282.5
55°	263.3
57.5°	242.8
60°	222.9
62.5°	202.3
65°	180.3
67.5°	158.3
70°	136.3
72.5°	113.6
75°	91.6
77.5°	69.6
80°	49.0
82.5°	30.5
85°	14.9
87.5°	4.3
90°	0.0

(END OF REPORT)